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**Notes:**

1. Untranslatable words are replaced with asterisks (\*\*\*\*)
2. Texts in the figures are not translated and shown as it is.

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Dictionary: Last updated 12/10/2008 / Priority: 1. Mechanical engineering / 2. Medical/Pharmaceutical sciences / 3. Manufacturing/Quality

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## FULL CONTENTS

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**[Claim(s)]**

[Claim 1] To a portable case, are a designation means and an input means by which the location on the screen displayed on the designation means can be pinpointed the portable nursing service support apparatus which it has, and [ said apparatus ] A memory means to memorize nursing service pertinent information and the screen format for displaying those information on a designation means, Provide the data transfer means of the cable for \*\*\*\*\*\*(ing) the aforementioned nursing service pertinent information between a memory means and the main end if needed, or wireless, and a DP means, and [ said DP means ] After passing through in-and-out force, such as confirmation and amendment, when required [ based on the nursing service pertinent information memorized by the store, the nursing order is indicated by edit at a designation means, and one of the nursing order is chosen by the input means, and ] The portable nursing service support apparatus which changes the part about the nursing order and the work plan of nursing service pertinent information which are memorized by the memory means, indicates the alteration by reflection at a designation means, and is characterized by making a work plan draw up by repeating this.

[Claim 2] In a portable nursing service support apparatus according to claim 1, [ said DP means ] Based on the nursing service pertinent information memorized by the store, the work plan is indicated by edit at a designation means. After it displayed information required for execution of an activity on the designation means, and passing through in-and-out force, such as confirmation and the Measurement Division result input, when required when one of the work plans is chosen by the input means The portable nursing service support apparatus which changes the part about the work plan of nursing service pertinent information, and the operation and the Measurement Division which are memorized by the memory means, indicates the alteration by reflection at a designation means, and is characterized by making the operation and the Measurement Division in nursing service record by repeating this.

[Claim 3] In Claim 1 or a portable nursing service support apparatus according to claim 2, have a clock means to acquire the present time, and [ said DP means ] In the part in connection with the work plan of the nursing service pertinent information memorized by the memory means The portable nursing service support apparatus characterized by displaying on a designation means that the activity is not done at schedule time when the work plan which the present time obtained by the clock means is over activity schedule time, and has not done the activity exists.

## [Detailed Description of the Invention]

[0001]

[Field of the Invention] In a hospital etc., a nurse carries this invention, and it relates to the apparatus for supporting nursing service, outputting and inputting a patient's variety of information, instructions, an operation matter of nursing service, etc.

[0002]

[Description of the Prior Art] The cycle in the office hours strap unit of information gathering -> work plan -> work performance -> record exists in the nursing service in a hospital etc. Extracting the activity which a nurse should collect information, including a patient's condition, designation of a doctor, etc., from two or more record sheets at the time of service initiation, and should make as a general approach on the day, an operation list is created and it actually works. And a record sheet is brought at the time of a ward patrol, and many approaches of posting to another synthetic record sheet at work rooms, such as a nurse's station, are adopted after indicating a temperature taking result etc. in the ward.

[0003] However, when this approach collects the information currently distributed in two or more record sheets, it includes problems, like that it is easy to produce the leakage in collection, that a posting activity is a burden in time, and there is a possibility of a posting mistake arising and causing the serious result for nursing of a patient.

[0004] In order to solve these troubles, after managing a part of patient information and nursing order information at the main end, and a nurse carries a personal digital assistant at the time of a ward patrol, does the source-of-release input of the temperature taking result etc. at a patient's bedside and returns to a work room, the method of transmitting data to the main end is being introduced. For example, JP,1-116760,A The data of the body temperature collected with the personal digital assistant are transmitted to the main end using an IC card, and the system which creates a 3 \*\* value table etc. is proposed as indicated in the number "nursing support system of IC card utilization."

[0005] Moreover, by reading designation information into a personal digital assistant from the main end at the time of service initiation The method which carries out operation based on it is also examined ("the nursing information system which utilized the portable nursing information terminal" besides Koichi Kashiwagi, an 11th time of Japan Association for Medical Informatics nursing information-system seminar lecture collection, pp57-60, 1995).

[0006]

[Problem to be solved by the invention] However, with the well-known technique including the above-mentioned example, it did not pass for a personal digital assistant to be used for labor-saving of the activity of the portions of information gathering, record, etc., but the other part still needed dispersion of information, and a posting activity using the record sheet.

[0007] Moreover, in the part of the work plan based on designation information, while the nurse looked at the chart of designation, the plan was drawn up, and the approach of working with the condition of indicating a plan in a record sheet etc. separately, or not being explicitly recorded on a record sheet was taken. Therefore, there was fear, like the situation where neither a posting mistake nor the activity which should be done at given time is done arises.

[0008] Therefore, the object of this invention can draw up a work plan, without requiring a posting activity as the 1st based on the designation from a doctor etc., and as the 2nd It can work referring to information required for a work performance by choosing an activity from the drawn-up work plan, and

when there is an activity in which operation is behind the plan as the 3rd, it is in the place which offers a means by which activity delay and work performance leakage can be prevented by specifying it to a nurse.

[0009]

[Means for solving problem] Drawing 1 is the block diagram showing the basic architecture of the portable nursing service support apparatus of this invention.

[0010] The portable nursing service support apparatus 1 of this invention to a portable case The designation means 12, Are an input means 13 by which the location on the screen displayed on the designation means 12 can be pinpointed the portable nursing service support apparatus which it has, and [ said apparatus ] For example, nursing service pertinent information, such as ward information, staff information, patient information, designation information, work plan information, and operation / Measurement Division information, A memory means 15 to memorize the screen format for displaying those information on the designation means 12, the data transfer means 14 of the cable for \*\*\*\*\* (ing) the aforementioned nursing service pertinent information between the memory means 15 and the main end (host machine) 2 if needed or wireless, and the DP means 11 are provided.

[0011] Said DP means 11 is based on the nursing service pertinent information memorized by the memory means 15. After passing through in-and-out force, such as confirmation and amendment, when required [ the nursing order is indicated by edit at the designation means 12, and one of the nursing order is chosen by the input means 13, and ] The part about the nursing order and the work plan of nursing service pertinent information which are memorized by the memory means 15 was changed, the alteration was indicated by reflection at the designation means 12, and preparation of a work plan was enabled, without doing a posting activity by repeating this.

[0012] Moreover, said DP means 11 is based on the nursing service pertinent information memorized by the memory means 15. After it displayed information required for execution of an activity on the designation means 12, and passing through in-and-out force, such as confirmation and the Measurement Division result input, when required when a work plan is displayed on the designation means 12 and one of the work plans is chosen by the input means 13 The part about the work plan of nursing service pertinent information, and the operation and the Measurement Division which are memorized by the memory means 15 was changed, the alteration was indicated by reflection at the designation means 12, and record of operation and Measurement Division without the posting activity in nursing service was enabled by repeating this.

[0013] Furthermore, have a clock means 16 to acquire the present time, and [ said DP means 11 ] In the part in connection with the work plan of the nursing service pertinent information memorized by the memory means 15 Prevention of the leakage in operation was enabled by displaying that the activity which the present time obtained by the clock means 16 is over activity schedule time, and is over schedule time when the work plan which has not done the activity exists exists on the designation means 12.

[0014] After according to this invention it was consistent in the cycle of the nursing service from the aforementioned information gathering to the record after a work performance, and unnecessary nursing service of the posting activity was realized and preventing accident, such as a posting mistake and work performance leakage Furthermore, the time currently consumed by the posting activity is appropriate for the care of the patient in a bedside.

[0015]

[Mode for carrying out the invention] The 1st work example of this invention is explained using drawing 2 or drawing 16 .

[0016] The entire configuration in the case of using the personal digital assistant apparatus of crystalline-liquid touch-sensitivity for drawing 2 as a portable nursing support apparatus of this invention is shown. This is architecture which consists of one or more sets of the portable nursing service support apparatus 1 and the main ends (host machine) 2.

[0017] In the portable nursing service support apparatus 1, CPU11 which perform various kinds of disposal intensively are prepared, and the memory 15 which consists of ROM151 which store fixed data, such as an operation program and a screen format, and RAM152 which store variable data is connected to these CPU11. Moreover, LCD12 and the touch panel 13 which can pinpoint the location on a screen by being arranged as an input means in the upper part of LCD12, and touching with a pen or a finger are connected to CPU11 as a designation means, and a role of designation-cum-an input device 17 is played. Furthermore, the communication interface 14 for performing \*\*\*\*\* of the information by wireless between said main ends 2 is connected to CPU11.

[0018] In the main end 2, it consists of apparatus of the following connected to CPU21 and CPU21 which perform various disposal. The memory 23 and the magnetic disc 26 which store various data with said apparatus, They are the communication interface 24 constituted so that \*\*\*\*\* of information might be performed between CRT22 as a designation means, the keyboard 23 as an input means, and one or more portable nursing service support apparatus 1, and the printer apparatus 27 for carrying out edit printing of the nursing service pertinent information.

[0019] Moreover, said nursing service pertinent information shall contain ward information 31 like drawing 3 , staff information 32 like drawing 4 , patient information 33 like drawing 5 , nursing order information 34 like drawing 6 , work plan information 35 like drawing 7 , and operation / Measurement Division information 36 grade like drawing 8 .

[0020] The ward information 31 the information in connection with wards, such as the number of wards in a ward, and riding capacity of each ward, [ moreover, the staff information 32 ] The information in connection with the personnel, such as an identification number of a doctor and a nurse, a personal identification number, and a name, [ moreover, the patient information 33 ] The information in connection with the patient from the fundamental information of patients, such as a patient's identification number, a name, sex, and a date of birth, to the information about the clinical recording of patients, such as a hospitalization date, a ward, a sickbed, complaint, and existence, a class of allergy, is included. Moreover, workmanship instruction into which a doctor inputs the nursing order information 34, such as basic determination designation of temperature taking, blood pressure, etc., and \*\*\*\*, injection, an examination, an action, A designation person, designation time, a candidate patient, the content of designation, an operation situation, etc. of the designation which the head nurse etc. inputs, such as a plan of a patient's bath day etc., the information in connection with designation [ moreover, the work plan information 35 ] The time of an enforcing date etc. includes the information in connection with a work plan at the time of the planner of the work plan drawn up based on the nursing order information 34, planning time, object designation, and the operation scheduled date. Moreover, when some data input, such as determination of temperature taking, blood pressure, etc. and a handwriting memorandum input, occurs in the activity done based on the work plan information 35, as for operation / Measurement Division information 36, input time, an entry content, etc. store the information in

connection with operation and Measurement Division, respectively.

[0021] Such information shall be stored as a form of the memory information associated mutually on a memory 15 and 25 as a file group on the magnetic disc 26. In addition, since such nursing service pertinent information may differ in the content according to the operation form of a hospital and a ward, it considers the content of the aforementioned ward information 31, the staff information 32, the patient information 33, the nursing order information 34, the work plan information 35, and operation / Measurement Division information 36 as architecture customizable [ with a hospital and a ward ].

[0022] The action of this apparatus is explained using drawing 9 or drawing 16 . In addition, the ward information 31, the staff information 32, and the patient information 33 consider it as existing among nursing service pertinent information, and the nursing order information 34 is also premised on the newest thing being input settled by the doctor, the head nurse, etc.

[0023] The nursing order information 34 shall be inputted through nursing order input screen 200 grade from the main end 2, as shown, for example in drawing 9 , but it is good also as what is inputted through the same screen by the portable nursing service support apparatus 1 side. Moreover, although the notation of the "key" used below, a "ten key", etc., etc. shows what is virtually realized on designation-cum-the input device 17, what has high frequency in use is good also as making the architecture of the portable nursing service support apparatus 1 possess physically.

[0024] An outline of operation is shown in the flow-of-metal figure of drawing 10 . If a power source is supplied to the portable nursing service support apparatus 1, the personnel registration picture 100 will be displayed first and a personnel register (procedure 100) will be carried out. Subsequently, from the main end 2, said nursing service pertinent information is received and it is stored in a memory 15 (procedure 101). And the planning screen 102 is displayed and planning (procedure 102) is carried out. After planning is completed, the updated nursing service pertinent information is transmitted to the main end 2, the nursing service pertinent information by the side of the main end is updated (procedure 103), and planning of an activity is completed.

[0025] The personnel register procedure 100 is shown in drawing 11 , and the personnel registration picture 100 is shown in drawing 12 , respectively. If the personnel registration picture 100 is equipped with the staff number input area 1001 and the personal identification number input area 1002 and each field is chosen, the ten key 1003 for a number input is displayed, and it can input a staff number and a personal identification number. If an input ends, check with the staff information in a memory will be performed, the staff number inputted when it was checked that it is the right input is memorized by the memory as a user, and a personnel register (procedure 100) is completed.

[0026] Next, the planning procedure 102 is explained using flow-of-metal drawing 13 . The planning screen 102 is equipped with the nursing order designation field 1021 and the work plan designation field 1022 as shown in drawing 14 .

[0027] The nursing order displayed on the nursing order designation field 1021 is arranged in order of schedule time for every patient like the example shown in drawing 15 , and a name of patient, schedule time, the content of an activity, an operation situation, etc. are displayed. the nursing order with which schedule time is not set up at this time -- the part of schedule time -- "##:##" -- like -- time -- while it has been unfixed, it displays. moreover, the schedule time for the number of times when it corresponds in office hours when nursing order is designation of "being 1 time in temperature taking 2 hours" -- it is developed as unfixed nursing order and displayed.

[0028] Moreover, it is arranged in order of schedule time like the example shown in drawing 15, and schedule time, a name of patient, the content of an activity, an operation situation, etc. are displayed on the work plan designation field 1022. In addition, nothing is displayed on the work plan designation field 1022 at first. Where the nursing order set to the nursing order designation field 1021 is specified by an input, when the detailed designation key 1023 is chosen, the nursing order designation field 1021 changes from a list display to detailed designation, and edit designation of the detail of the nursing order information 34 in connection with the selected nursing order is given.

[0029] Moreover, where the nursing order set to the nursing order designation field 1021 is specified by an input, when the planned addition key 1024 is chosen, time -- [ in / in unfixed designation, the time setting field 1025 is displayed, and time is set up, and ] as shown in the example of drawing 16. The related part of the nursing order information 34 which corresponds at the same time a new work plan is added to the work plan information 35 after confirmation disposal is updated, and each alteration is reflected in designation of the nursing order designation field 1021 and the work plan display screen 1022. A work plan is drawn up by repeating the aforementioned procedure about all the nursing order.

[0030] Although the above is the case which used one portable nursing service support apparatus 1. While the procedure of work plan planning is advancing simultaneously in two or more portable nursing service support apparatus 1. For example, by performing data transfer and renewal of data frequently using wireless LAN etc., when other nurses include nursing order in a work plan, it shows clearly with for example, a designation receptacle nurse's name in the nursing order display screen 1021 on real time, and it has architecture which avoids duplication of a work plan.

[0031] As mentioned above, since planning of a work plan is carried out about the nursing order inputted beforehand according to this example, referring to the list and detailed designation, there is remarkable effectiveness that the work plan which prevented accident, such as a posting mistake and leakage in posting, beforehand can be drawn up.

[0032] Subsequently, the 2nd work example of this invention is explained using drawing 17 or drawing 27.

[0033] The same code shows the same part as the 1st work example, and it omits description.

[0034] In addition, the ward information 31, the staff information 32, and the patient information 33 consider it as existing among nursing service pertinent information, and the nursing order information 34 is also premised on the newest thing being input / updating settled by the input settled and the means which the work plan information 35 also explained in the 1st work example further by the doctor, the head nurse, etc.

[0035] If an outline of operation supplies a power source to the portable nursing service support apparatus 1 as it is shown in drawing 17, a personnel register (procedure 100) will be carried out and, subsequently nursing service pertinent information will be received (procedure 101). Next, the operation operation screen 104 is displayed and the procedure of operation operation (procedure 104) is carried out. After operation operation is completed, the updated nursing service pertinent information is transmitted to the main end 2, the nursing service pertinent information by the side of the main end is updated (procedure 103), and operation operation is completed. In addition, this procedure may be performed with a procedure 100, a procedure 101, a procedure 102 (if required procedure 103), a procedure 104, and a procedure 103, as shown in drawing 18.

[0036] Next, the operation operation procedure 104 is explained using flow-of-metal drawing 19. The

operation operation screen 104 is equipped with the work plan designation field 1022 and the activity information designation field 1041 as shown in drawing 20. The drawn-up work plan is displayed in a list on the work plan designation field 104 as it is. Nothing is displayed on the activity information I/O field 1041 at first.

[0037] When the work plan set to the work plan designation field 1022 is specified by an input, edit designation of the detailed information about the activity is extracted and given from the work plan information 35 and the nursing order information 34 to the activity information designation field 1041 like the example shown in drawing 21. Furthermore, operation confirmation (procedure 105), a memorandum input (procedure 106), and referring to the information (procedure 107) are performed, respectively by choosing the operation confirmation key 1042 in the activity information designation field 1041, a memorandum input key, and operation/reference change key in the condition.

[0038] Disposal of an operation confirmation procedure is shown in flow-of-metal drawing 22.

Depending on the content of the activity chosen, like the example of drawing 23, for example When change designation of the activity information designation field 1041 shall be given in the input area of temperature taking result input area 1043 grade, a numerical value shall be inputted with the measurements input ten key 1044 like a personnel register (procedure 100) and an input is completed. The applicable parts of the nursing order information 34, the work plan information 35, and operation / Measurement Division information 36 are updated, and the updating is reflected in designation of the work plan designation field 1022. In this case, depending on the content of an activity, not only a numerical value but a check box input, a preset character string input, etc. are possible for an input matter.

[0039] The operation based on a work plan is completed by repeating the aforementioned procedure about all the work plans.

[0040] Disposal of the memorandum input procedure 106 is shown in flow-of-metal drawing 24. This is a procedure chosen when special affairs need to be recorded during an activity. Change designation of the activity information designation field 1041 is given in the memorandum input area 1046, the memorandum of a free hand is made to input, as shown in drawing 25, and the applicable part of operation / Measurement Division information 36 is updated like a determination result.

[0041] The disposal in the information reference procedure 107 is shown in flow-of-metal drawing 26. This is a procedure chosen when the detailed information about a patient needs to be referred to during an activity. [ with the information which change designation of the activity information designation field 1041 was given to the patient information reference field 1048 like the example of drawing 27 here, and was extracted from the patient information 33, the work plan information 35, and operation / Measurement Division information 36 ] For example, like drawing 27, the diagrammatic chart of the operation situation of the activity to the patient concerned, basic information and the information in connection with medical examination, the past handwriting memorandum, and the hysteresis of a measurement value etc. is changed one by one, and is displayed.

[0042] As mentioned above, since a work plan is carried out according to this example, referring to the information about the patient who is the target of the list, activity detailed designation, and an activity etc. about the work plan drawn up beforehand, Fine patient care based on detailed information can be realized, and there is remarkable effectiveness that accident, such as a posting mistake and leakage in posting, can be beforehand prevented also about operation record or measurements record.

[0043] Subsequently, the 3rd work example of this invention is explained using drawing 28 or drawing 29. Fundamental architecture is the same as that of the 1st work example and the 2nd work example.

[0044] In the 3rd work example, in the procedure of operation operation (\*\*\*\* 104), the present time is compared with the operation schedule time of a work plan for every fixed time as shown in drawing 28. The means of displaying a reversing display, flash designation, or the non-carried out workspace 1051 like an example which shows the work plan in which the present time is over operation schedule time in drawing 29, for example in the work plan designation field 1022 is provided, and an operator is made to show clearly.

[0045] Since a work plan is carried out according to this example, always checking the activity which is behind schedule time in operation about the work plan drawn up beforehand, there is remarkable effectiveness that accident, such as leakage in operation of an activity, can be prevented beforehand.

[0046] In addition, in the 1st work example, 2nd work example, and 3rd work example, although LCD and a touch panel are used as a designation means-cum-input means, it may be based on the thing which a designation means and an input means do not need to be one, for example, is depended on two or more input keys, or a tablet input.

[0047] In addition, although wireless communications are used as a data transfer means in said work example, the thing using an infrared light may be used, for example. moreover, the case which does not use two or more portable nursing service support apparatus 1 -- or When a nurse cannot receive only her charge patient's information to the portable nursing service support apparatus 1 with the method of nursing of a perfect charge system and other nurses cannot update information to the patient For example, the data transfer means through a storage like an IC card and the data transfer means according to a cable so that for example, a data transfer adapter may be used are sufficient.

[0048]

[Effect of the Invention] Since planning of a work plan is carried out about the nursing order inputted beforehand according to this example, referring to the list and detailed designation, there is remarkable effectiveness that the work plan which prevented accident, such as a posting mistake and leakage in posting, beforehand can be drawn up.

[0049] Moreover, since a work plan is carried out referring to the information about the patient who is the target of the list, activity detailed designation, and an activity etc. about the work plan drawn up beforehand, Fine patient care based on detailed information can be realized, and there is remarkable effectiveness that accident, such as a posting mistake and leakage in posting, can be beforehand prevented also about operation record or measurements record.

[0050] Furthermore, since a work plan is carried out always checking the activity which is behind schedule time in operation about the work plan drawn up beforehand, there is remarkable effectiveness that accident, such as leakage in operation of an activity, can be prevented beforehand.

[0051] After [ as mentioned above, ] it was consistent in the cycle of the nursing service from the aforementioned information gathering to the record after a work performance, and unnecessary nursing service of the posting activity was realized and preventing accident, such as a posting mistake and work performance leakage The time currently moreover consumed by the posting activity is appropriate for the care of the patient in a bedside.

[Brief Description of the Drawings]

[Drawing 1] The block diagram showing the basic architecture of the portable nursing service support apparatus of this invention.

[Drawing 2] The block diagram showing the system architecture of the whole in the 1st work example.

[Drawing 3] Drawing showing the example of the ward information 31 in the 1st work example.

[Drawing 4] Drawing showing the example of the staff information 32 in the 1st work example.

[Drawing 5] Drawing showing the example of the patient information 33 in the 1st work example.

[Drawing 6] Drawing showing the example of the nursing order information 34 in the 1st work example.

[Drawing 7] Drawing showing the example of the work plan information 35 in the 1st work example.

[Drawing 8] Drawing showing the example of operation / Measurement Division information 36 in the 1st work example.

[Drawing 9] Drawing showing the example of the nursing order input screen 200 from the main end 2 in the 1st work example.

[Drawing 10] The flow-of-metal figure showing the outline of an action of the portable nursing service support apparatus 1 in the 1st work example.

[Drawing 11] The flow-of-metal figure showing disposal of the personnel register procedure 100 in the 1st work example.

[Drawing 12] Drawing showing the personnel registration picture 100 in the 1st work example.

[Drawing 13] The flow-of-metal figure showing disposal with the planning procedure 102 in the 1st work example.

[Drawing 14] Drawing showing arrangement of the field in the planning screen 102 in the 1st work example.

[Drawing 15] Drawing showing the example of designation of the planning screen 102 in the 1st work example.

[Drawing 16] Drawing showing the example of designation of the time appointed field in the 1st work example.

[Drawing 17] The flow-of-metal figure showing the outline of an action of the portable nursing service support apparatus 1 in the 2nd work example.

[Drawing 18] The flow-of-metal figure showing the outline of an action of the portable nursing service support apparatus 1 in the 2nd work example.

[Drawing 19] The flow-of-metal figure showing disposal with the operation operation procedure 104 in the 2nd work example.

[Drawing 20] Drawing showing arrangement of the field in the operation operation screen 104 in the 2nd work example.

[Drawing 21] Drawing showing the example of designation of the activity information in the 2nd work example.

[Drawing 22] The flow-of-metal figure showing disposal with the operation confirmation procedure 105 in the 2nd work example.

[Drawing 23] Drawing showing the example of the temperature taking result input in the operation confirmation procedure 105 in the 2nd work example.

[Drawing 24] The flow-of-metal figure showing disposal with the memorandum input procedure 106 in the 2nd work example.

[Drawing 25] Drawing showing the example of the handwriting memorandum input in the memorandum input procedure 106 in the 2nd work example.

[Drawing 26] The flow-of-metal figure showing disposal with the information reference procedure 107 in the 2nd work example.

[Drawing 27] Drawing in the information reference procedure 107 in the 2nd work example showing the example of refer to the information.

[Drawing 28] The flow-of-metal figure showing disposal with the operation operation procedure 104 in the 3rd work example.

[Drawing 29] Drawing showing the example which carries out the reversing display of the activity which is behind between scheduled time in operation beforehand in the 3rd work example.

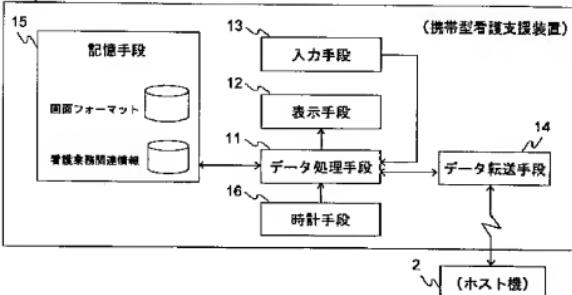
[Explanations of letters or numerals]

1 -- A portable nursing service support apparatus, 2 -- A main end, 11 -- A DP means / CPU, 12 -- A designation means / LCD, 13 -- An input means / touch panel, 14 -- A data transfer means / communication interface, 15 -- A memory means / memory, 16 -- A clock means, 17 -- Designation-cum-an input device, 21 [ -- Communication interface, ] -- CPU, 22 -- CRT, 23 -- A keyboard, 24 25 [ -- Ward information, ] -- A memory, 26 -- A magnetic disc, 27 -- A printer apparatus, 31 32 [ -- Work plan information, ] -- Staff information, 33 -- Patient information, 34 -- Nursing order information, 35 36 -- Operation / Measurement Division information, 100 -- A personnel registration picture / personnel register procedure, 101 -- Data transfer procedure (to the main end lay portable nursing service support apparatus), 102 -- A planning screen / planning procedure, 103 -- Data transfer procedure (to portable nursing service support apparatus lay main end), 104 -- An operation operation screen / operation operation procedure, 105 -- An operation confirmation procedure, 106 -- Memorandum input procedure, 107 [ -- A nursing order input screen, 1001 / -- A staff number input area, 1002 / -- A personal identification number input area, 1003 / -- The ten key for a numerical input 1021 / -- A nursing order designation field, 1022 / -- A work plan designation field, 1023 / -- Detailed designation key, ] -- An information reference procedure, 151 -- ROM, 152 -- RAM, 200 1024 -- A planned addition key, 1025 -- The time appointed field, 1041 -- Activity information designation field, 1042 [ -- A memorandum input key, 1046 / -- A memorandum input area, 1047 / -- Operation/reference change key, 1048 / -- Patient information reference field, ] -- An operation confirmation key, 1043 -- A temperature taking result input area, 1044 -- The ten key for a measurements input, 1045

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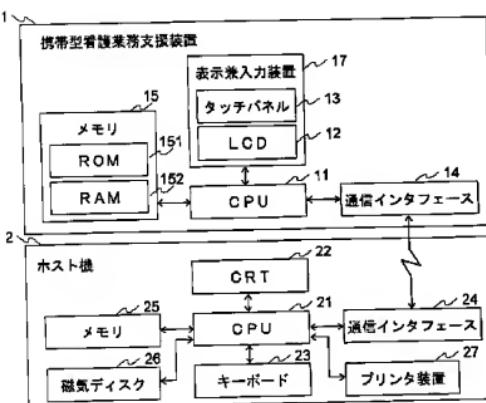
[Drawing 1]

1



[Drawing 2]

図 2



[Drawing 3]

図 3

31

病室ID	病室名	病床数
------	-----	-----

[Drawing 4]

図 4

32

職員ID	氏名	職種コード	暗証番号
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## [Drawing 5]

図 5

33

患者ID	氏名	性別	生年月日	アレルギーコード
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## [Drawing 6]

34

指示ID	指示者	指示日時	受領者	受領日時	対象患者	実施予定日時	指示コード	指示内容	実施状況フラグ
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## [Drawing 7]

図 7

35

作業計画ID	看護指示ID	実施予定時刻	実施終了時刻	実施状況フラグ
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## [Drawing 8]

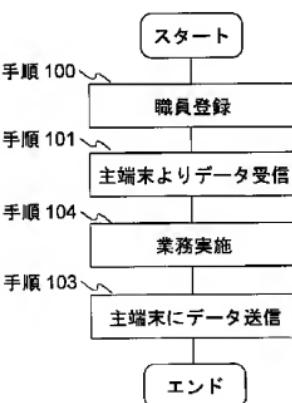
図 8

36

実施・計測ID	入力日時	入力種類コード	記録内容
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## [Drawing 17]

図 1 7



## [Drawing 9]

図 9

200

基本判定指示

患者名: OOOO

測定開始日: 1996/10/15 08:00 指示番: OOOO

安静度: 病棟内歩行可 滅潔方法: 病棟内歩行可

TPR: 6時間毎 B/P: 6時間毎

CVP 1時間毎  術後状態: 術後C

2時間毎   U.S

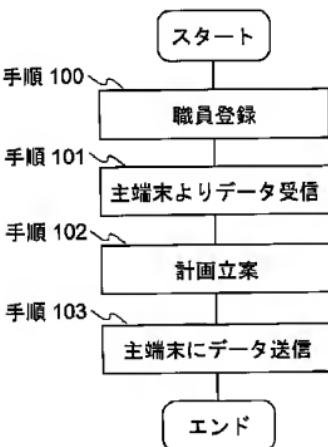
5時間毎  6時間毎 6時間毎

2回/日   OP: OOOO

1回/日

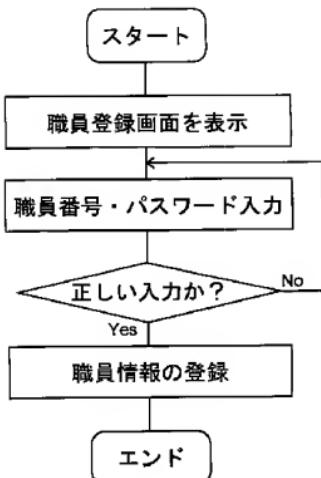
[Drawing 10]

図 10



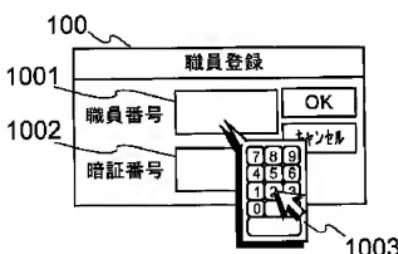
[Drawing 11]

図 1 1



[Drawing 12]

図 1 2



[Drawing 14]

図 1 4

102 ↗

1996年10月24日 16時10分 ○○第1病棟 病床数50 患者数48 (男26女22) (搬送13 接送12 歩歩23)	
情報参照 計画立案 案務実施	
1022 ↗	詳細情報 計画追加 1023 1024
	1021 ↗

[Drawing 15]

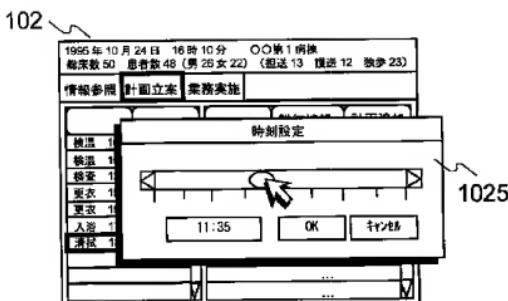
図 1 5

102 ↗

1996年10月24日 16時10分 ○○第1病棟 病床数50 患者数48 (男26女22) (搬送13 接送12 歩歩23)	
情報参照 計画立案 案務実施	
1022 ↗	詳細情報 計画追加 ○○○○：搬送 #### 2601室 ○○○○：入浴 指導 2601室 ○○○○：投薬 16:00 2601室 △△△△：検温 #### 2601室 △△△△：検査 13:00 2601室 △△△△：更衣 #### 2601室 △△△△：入浴 16:00 2601室 △△△△：検温 19:00 2601室 ... ...
	1021 ↗

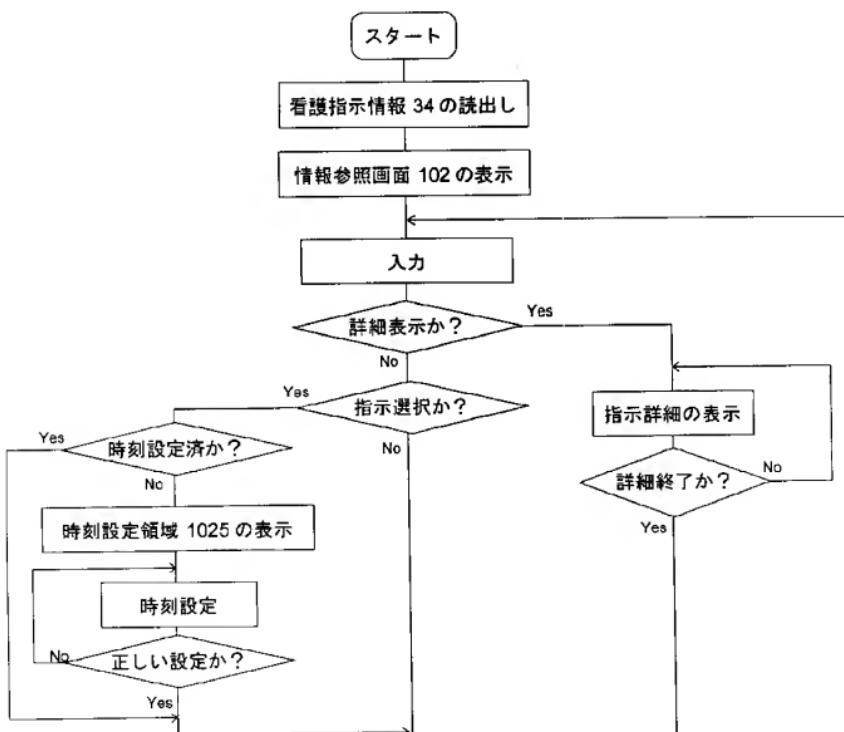
[Drawing 16]

図 1 6

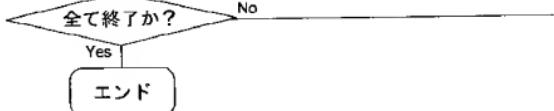


[Drawing 13]

図 1 3



Yes



[Drawing 20]

図 2 0

104

1995年10月24日 16時10分 OO第1病棟 総床数 50 患者数 48 (男26女22) (既退13 既出12 既歩23)		
情報参照 計画立案 実務実施		
<input type="button" value="参照へ"/> <input type="button" value="メモ"/> <input type="button" value="実施"/>		1047 1045
1022		1042
		1041

[Drawing 21]

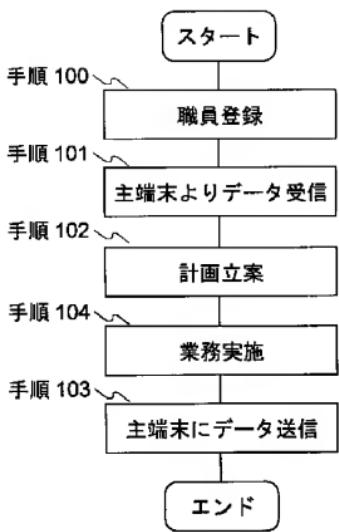
図 2 1

104

1995年10月24日 16時10分 OO第1病棟 総床数 50 患者数 48 (男26女22) (既退13 既出12 既歩23)		
情報参照 計画立案 実務実施		
<input type="button" value="参照へ"/> <input type="button" value="メモ"/> <input type="button" value="実施"/>		1042
既退 10:00 OO 既出 10:00 OO <b>検査 13:00 △△</b> 退院 15:00 △△ 入院 15:00 △△ 入浴 17:30 OO 清拭 18:00 △△	行事検索	1041
病室: OO号室、患者: 0000 作業: 検査 指示: OO OO/OO, OO:OO 受付: OO OO/OO, OO:OO 予定: OO OO/OO, OO:OO 病房: C B C生化、セット井2 実務状況: (空)		

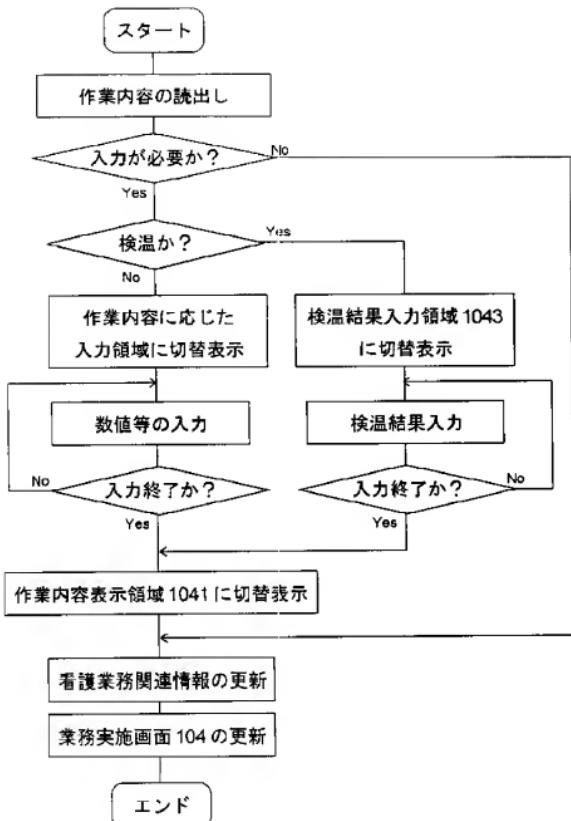
[Drawing 18]

図 1 8



[Drawing 22]

図 2 2



[Drawing 23]

图 2-3

104

1995年10月24日 16時10分		○○第1休日
休憩20		基準歩数48(男26歳)
休憩20		(歩数13 飲水12 握歩23)
情報参照		
計画立案		
健康管理		
入力		OK キャンセル
○○○○ ○○年○月○日生(♀)		
体温	心拍	呼吸
休憩	心拍	呼吸
夏衣	15.00 ○○	
夏衣	15.00 △△	
入浴	17.30 ○○	
清拭	18.00 △△	
金算損取扱		
<input type="button" value="7"/> <input type="button" value="8"/> <input type="button" value="9"/> <input type="button" value="4"/> <input type="button" value="5"/> <input type="button" value="6"/> <input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="0"/>		

1043

1044

### [Drawing 25]

图 2-15

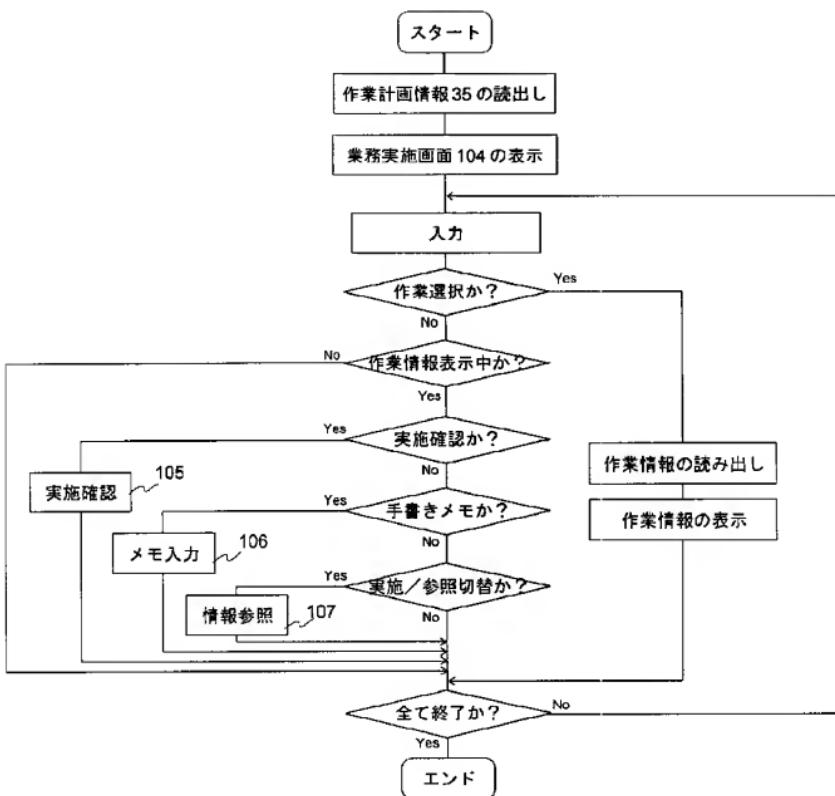
104

1995年10月24日 18時10分 ○○家/病棟	
靴下板50 歩者数48 (男26女22) (組送13 運送12 散歩23)	
情報参照 <input type="checkbox"/> 計画立案 <input type="checkbox"/> 業務実施	
メモ <input type="checkbox"/> 消去 <input type="checkbox"/> 編了	
條理 <input type="checkbox"/> 検温 <input type="checkbox"/> 10:00 ○○ 検温 <input type="checkbox"/> 10:00 △△ 検査 <input type="checkbox"/> 13:00 △△ 術者 <input type="checkbox"/> 15:00 ○○ 術者 <input type="checkbox"/> 15:00 △△ 入浴 <input type="checkbox"/> 17:30 ○○ 清拭 <input type="checkbox"/> 18:00 △△	
10/19 <u>see</u> 	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

1046

[Drawing 19]

図 1 9



[Drawing 29]

図 2 9

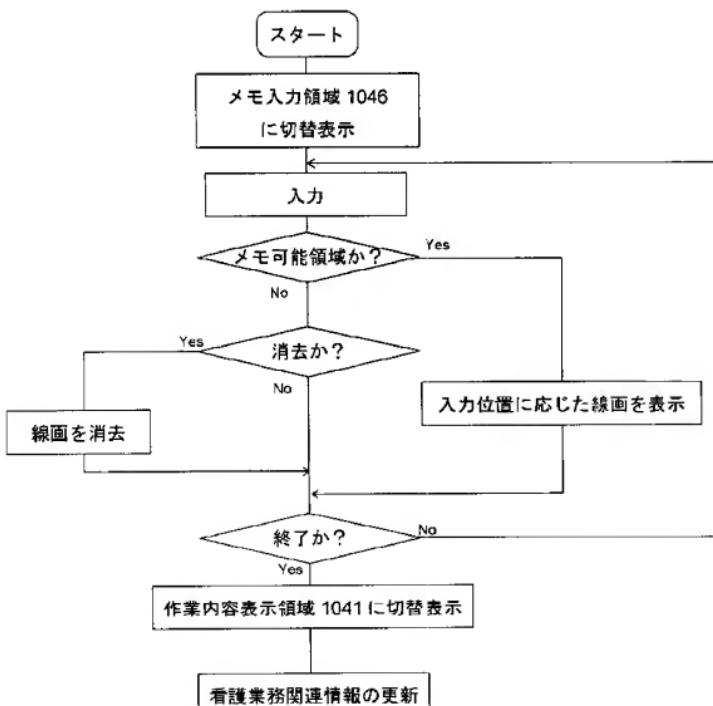
104

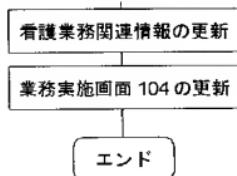
1995年 10月 24日 18時 10分 ○○第1病棟  
認定数 50 患者数 48 (男 26 女 22) (搬送 13 搬送 12 徒歩 23)

情報参照		計画立案	業務実施
		仕事情報	参照へ メモ 実施
体温	10:00 ○○		
体温	10:00 ○○		
検査	13:00 △△		
更衣	15:00 ○○		
貯糞	15:00 △△		
入浴	17:30 ○○		
清拭	18:00 △△		
患者: ○○号室、患者: ○○○○			
作業: 検査			
指派: ○○ ○○/○○、○○:○○			
受け: ○○ ○○/○○、○○:○○			
予定: ○○ ○○/○○、○○:○○			
備考: CBC生化、セット#2			
実施状況: (受)			

[Drawing 24]

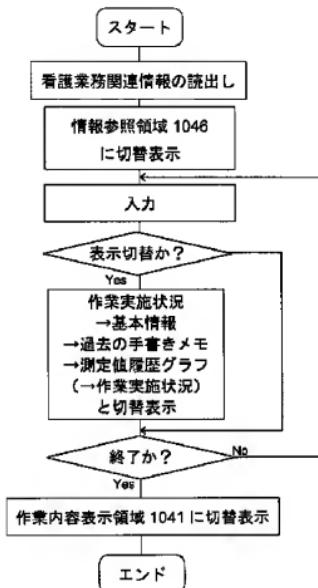
図 2 4





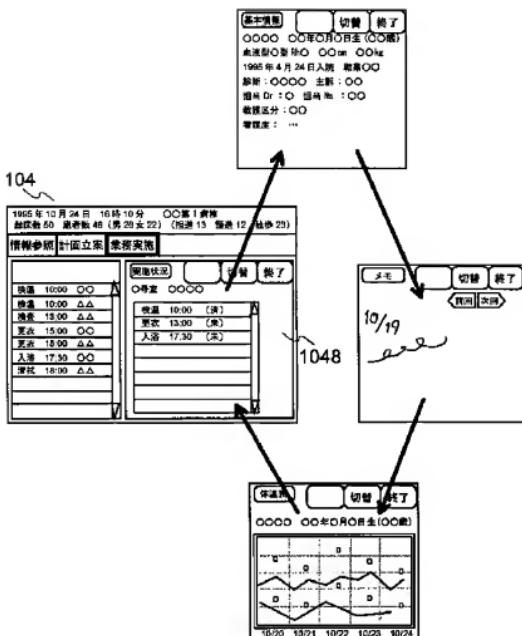
[Drawing 26]

図 2 6



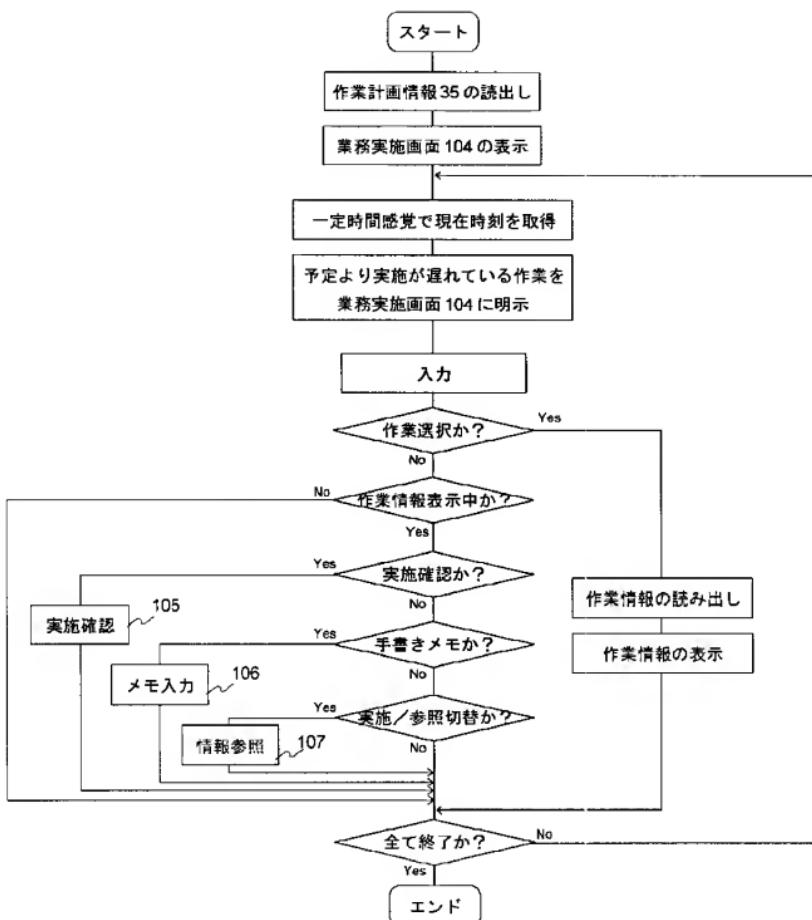
[Drawing 27]

图 27



### [Drawing 28]

四 28



[Translation done.]